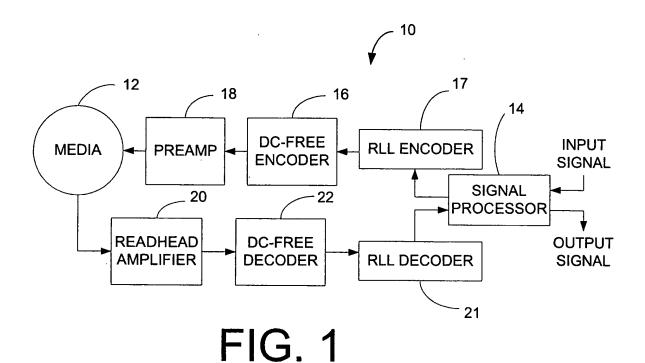
FILTER DRIVEN DC-FREE CODE Burd et al MP0148.I/CUST. NO.: 23624 SHEET 1/8



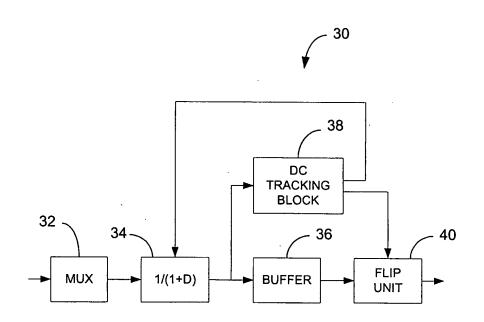


FIG. 2

FILTER DRIVEN DC-FREE CODE Burd et al MP0148.I/CUST. NO.: 23624

SHEET 2/8

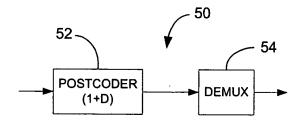
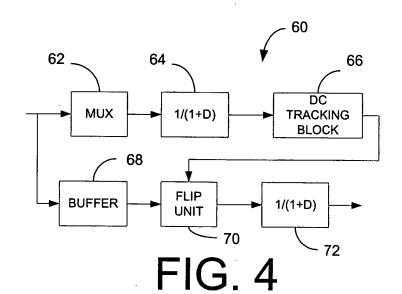


FIG. 3



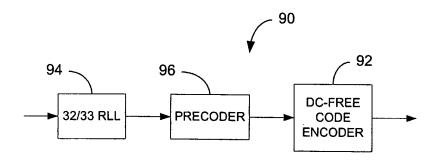


FIG. 6

FILTER DRIVEN DC-FREE CODE Burd et al MP0148.I/CUST. NO.: 23624

SHEET 3/8

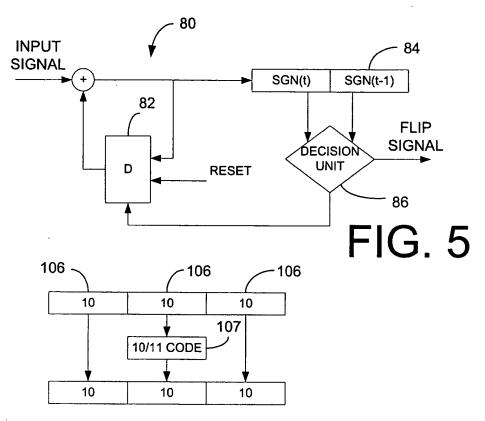


FIG. 7

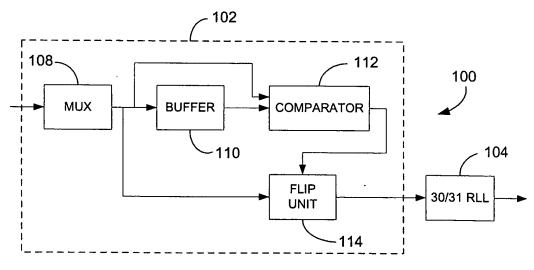


FIG. 8

FILTER DRIVEN DC-FREE CODE Burd et al

MP0148.I/CUST. NO.: 23624

SHEET 4/8

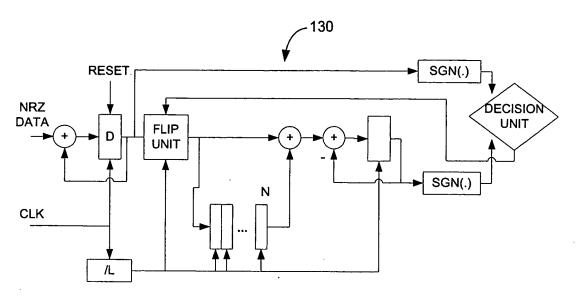


FIG. 9

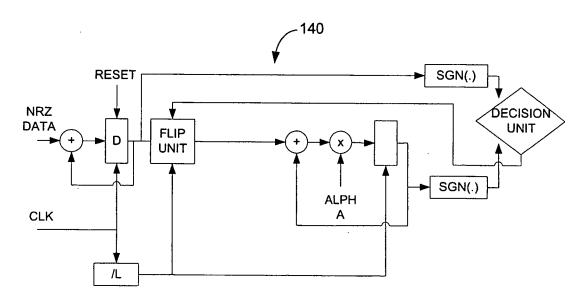


FIG. 10

FILTER DRIVEN DC-FREE CODE Burd et al MP0148.I/CUST. NO.: 23624 SHEET 5/8

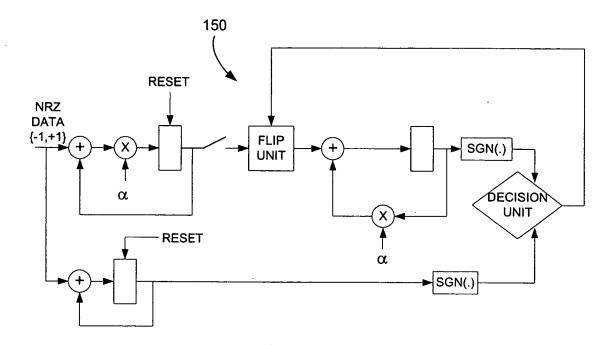


FIG. 11

FILTER DRIVEN DC-FREE CODE Burd et al MP0148.I/CUST. NO.: 23624 SHEET 6/8

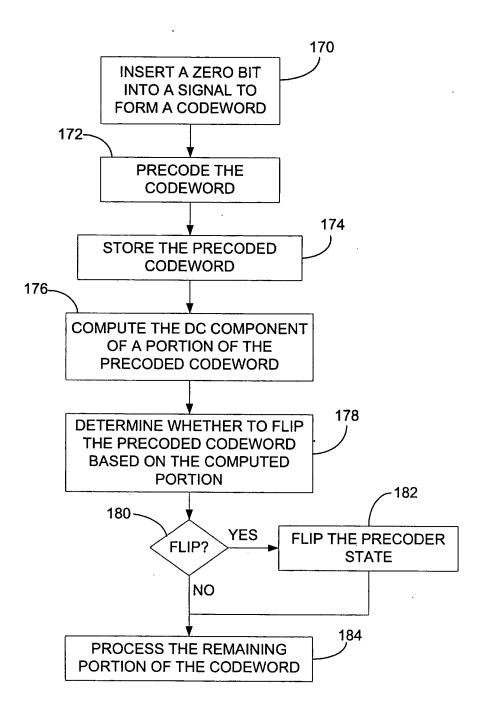


FIG. 12

FILTER DRIVEN DC-FREE CODE Burd et al MP0148.I/CUST. NO.: 23624 SHEET 7/8 200 -~ 202 NRZ **DATA DATA** DC-CHECK **METRIC** 204 **CIRCUIT FLIP UNIT** FIG. 13 400 **FINAL STATE** 406 402 404 X **LOW PASS** 1 -> 1 W **ABS** MAX FILTER F(z) 0 -> -1**INITIAL** STATE FIG. 15 - 500 **FINAL** STATE 506 502 **~504** 1 -> 1 **LOW PASS** W ABS MAX 0 -> -1 FILTER F(z) **INITIAL STATE** 508 **FINAL STATE** Reset THRESHOLD **DETECTOR** DC OFFSET **ESTIMIZATION**

FIG. 16

510

COUNTER

G(z)

503

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SHEET 8/8

